

spaced apertures located on the vertical post front face, said horizontal cross members formed of rolled steel and terminating into L-shaped brackets, said end brackets having a flange interconnecting with the vertical posts and a horizontal cross member bracket wall, said horizontal bracket flange wall containing one or more holes to accommodate right angle braces spanning from the front horizontal cross member flange wall to the rear horizontal cross member flange wall, said braces providing a left and right rack structure support to prevent horizontal cross members from disengaging under vibrations, said geometric plane established by right angle brace flange set equal within some tolerance to the geometric plane established by the horizontal cross member upper lip/flange, said right angle bracket flange containing a pattern of holes traversing along its length, said pattern of holes allowing for dry dimensional lumber to be laid side by side and fastened using commercial available wood screws as a tabletop surface.

Remarks

Sections "Background of the Invention," "Brief Summary of the Invention," "Brief Description of Drawings," and "Detailed Description of the Invention," have been modified to generally improve the language, ensure consistency in describing a particular member, i.e., "horizontal cross member," versus "cross member," and to increase clarity. In the "Detailed Description of the Invention" section, a section taken from

Sheahan and Bulk (US 6,729.371) has been incorporated to clarify what is "dry dimensional lumber."

Claims 1-7, as originally filed, have been canceled in favor of claims 8-13, presented herewith.

The purpose of the current patent is to create a pallet rack structure art, whereby dry dimensional lumber, sometimes referred to as "framing lumber, can be laid side by side parallel to the horizontal cross members and function as a workbench tabletop. A corresponding patent US 6,729.371 (Sheahan and Bulk) and published on 8 August 2002 creates a workbench tabletop surface of dry dimensional lumber. Defined by this patent is the application of those principles to pallet rack construction. Although McConnell (US Patent #4,729,484) and Anderson et al (US Patent #6.155.441) teach a rack structure comprising vertical posts, cross members, and end brackets, both patents fail to delineate the means for routing of dry dimensional lumber between the front and back vertical posts and parallel to the horizontal cross beams. Modifications to the existing art, as defined within this patent, enable the workbench tabletop to be planar, fill the complete area between the vertical posts, and provide the means for front to back support.